

# AIMMS Enables Fast, Profitable Decision-Making at Nampak



## About Nampak

Nampak is Africa's leading packaging company. Nampak Glass, the bottling division of the company, operates a world-class manufacturing plant in Roodekop, South Africa. They provide customers with an extremely diverse range of award-winning glass products, assisting them with bottle inception, technical drawing and design requirements as well as trial mold testing.

## Problem

Increasing needs for product flexibility and production efficiency, paired with rising demand volatility required Nampak Glass to improve their ability to deploy the best possible production schedule at all times. A redesign of the scheduling process was necessary to align different production phases. Given the complexity of Nampak Glass' supply chain and production process, there was also a need for more advanced planning tools. The team was using Excel, which allowed them to manage their schedule at a basic level but didn't provide the ability to make fast, complex, optimized calculations or quantify the financial impact of their planning decisions.

## Solution

Nampak chose AIMMS' optimization software and Districon, an AIMMS implementation partner, to develop a Profit Based optimization solution for the detailed planning and scheduling of glass bottles in the company's 3 furnaces - amounting to a total of over 1000 production tons a day.

Named GOBSS (Glass Optimization Business Software Solution), the tool leverages AIMMS' modeling technology on a strategic level (plan for the next two years), tactical level (mid-term scenario planning to support their S&OP process) and operational level (number of bottles on each line). GOBSS was developed in 6 months and is now used to support the company's schedulers, sales and management teams to make the best business decisions.

*"Our business requirements are not only complex but unique in nature and working with the right tools and the right team was imperative for us to achieve our goals. GOBSS allows us to make better informed decisions, it is flexible, easily implemented, and quick to deliver" - Paul Coombe, Supply Chain Director, Nampak Glass*

*"The development, customization and 'go live' of the AIMMS software for Nampak were done in record time, enhancing our business rhythm, but more importantly delivered incredible stability operationally," - Pieter van den Berg, Divisional Managing Director, Nampak Glass.*

## Solution

Thanks to GOBSS, Nampak is able to:

- Respond quickly to customer changes in the market and production changes internally
- Quantify planning changes in a financial way
- Extract more value from their planning process
- Maintain customer service at a reasonable level of profit for the business

## Contact Us for a Demo

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## About AIMMS

*The AIMMS Prescriptive Analytics Platform helps you evaluate and identify the best options to tackle your most pressing challenges with sophisticated analytics that leverage mathematical modeling and scenarios while pulling from multiple data sources. You can immediately gauge, not just what is likely to happen, but what you should do about it for the best possible outcome. Whether you seek to improve your strategy, planning, operations or transform your entire supply chain, AIMMS software is the ideal combination of being tailored to your unique situation paired with speed to value (ROI). That's why teams at Shell, Johnson & Johnson, GE and Heineken and many more fire up AIMMS every day.*

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